

(No Model.)

B. SCHUESSLER.
WASH BOILER.

No. 434,841.

Patented Aug. 19, 1890.

Fig. 1.

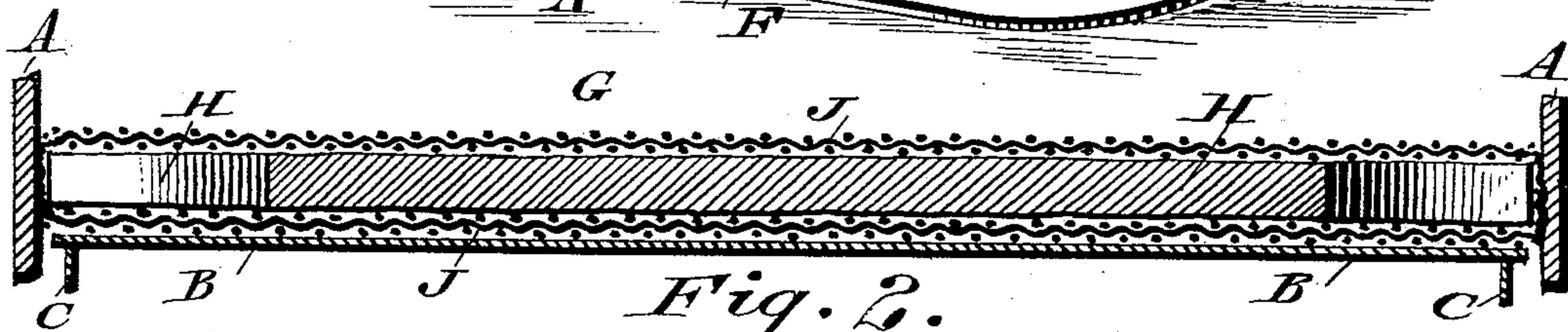
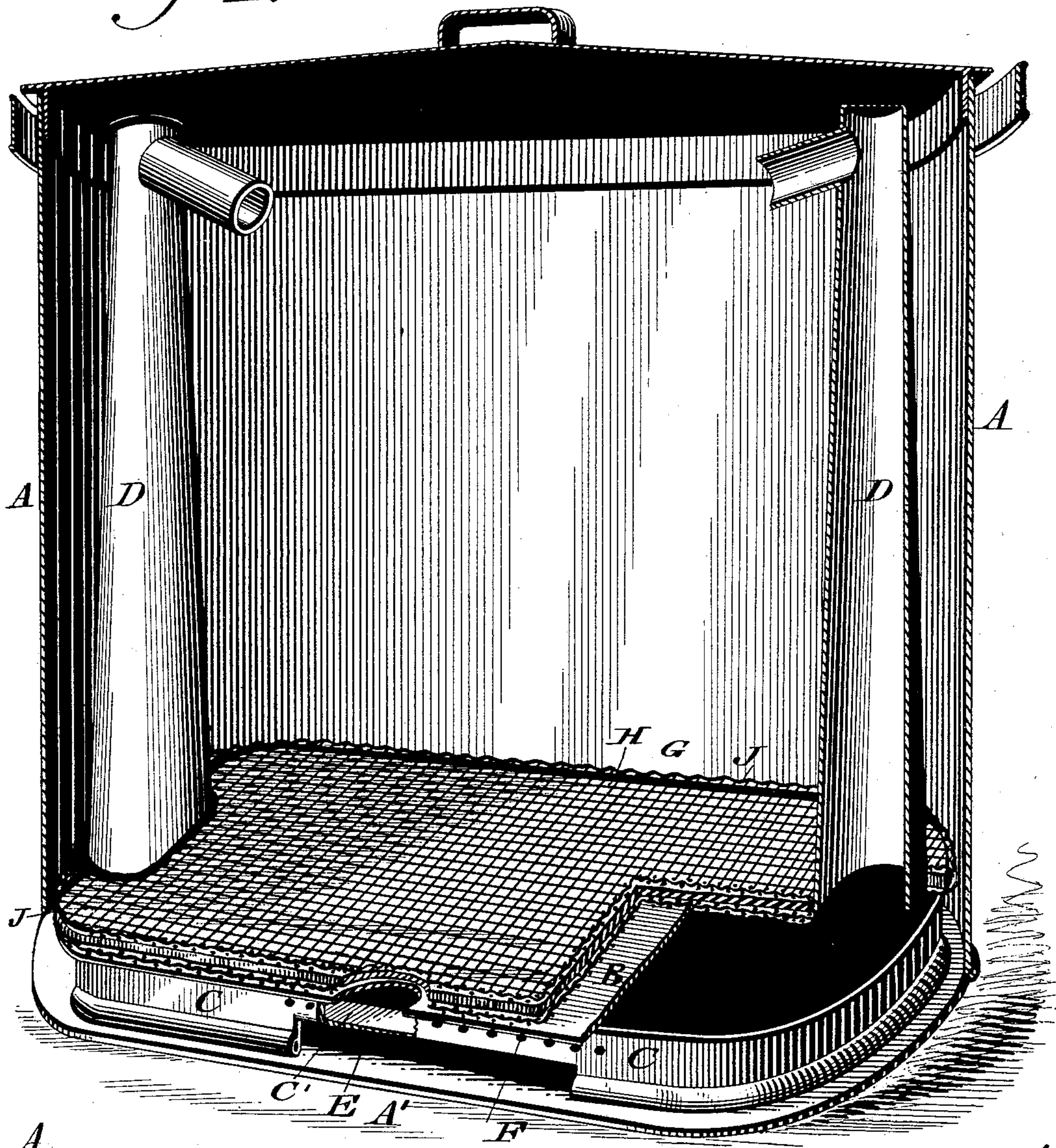


Fig. 2.

WITNESSES:

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UNITED STATES PATENT OFFICE.

BERNHARD SCHUESSLER, OF PHILADELPHIA, PENNSYLVANIA.

WASH-BOILER.

SPECIFICATION forming part of Letters Patent No. 434,841, dated August 19, 1890.

Application filed March 28, 1889. Serial No. 305,099. (No model.)

To all whom it may concern:

Be it known that I, BERNHARD SCHUESSLER, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Wash-Boilers, which improvement is fully set forth in the following specification and accompanying drawings.

My invention relates to wash-boilers; and it consists in constructing the same with a false bottom supported on a rim, the latter provided with a cut-away portion in its side forming a passage-way, and having above said passage perforations, as described, the bottom having thereon filtering material, all combined as described and claimed.

Figure 1 represents a vertical section in perspective of a wash-boiler embodying my invention. Fig. 2 represents a longitudinal section of the filter thereof and adjacent portion of the boiler on an enlarged scale.

Similar letters of reference indicate corresponding parts in the two figures.

Referring to the drawings, A designates a wash-boiler of usual construction. B designates a false bottom, which is secured to the upright rim C, forming a chamber between said bottom B and the bottom proper A' of the boiler.

Rising from the ends of the bottom B are tubes D, by which the water is directed to the top of the boiler and then discharged on the garments or other articles to be washed, as usual in such cases.

The sides of the rim C are cut away and turned up, as at C', forming passages E between the two bottoms B A', and perforated, as at F, above said passages, forming ports for the escape of steam from the bottom chamber, the turned-up sides C' acting as deflectors for directing water into the bottom chamber.

Supported upon the bottom B is a filter G, formed of a piece H, of felt or other suitable material, which is embraced by wire-netting

or other open-work J, the same being preferably galvanized for preventing corrosion thereof, the ends of the filter being cut away, so as to embrace the tubes D, thereby preventing displacement of the filter at said ends.

It will be seen that the boiling water rises in the tubes and discharges upon the clothes, garments, &c., after which it passes through the filter, whereby dirt and other impurities are retained by the filter, and the clean water escapes over the sides of the false bottom and re-enters the bottom chamber through the passages E. Should there be serious pressure of steam, the same is relieved, owing to the ports or openings F in the side of the rim C.

The gauze or open-work coverings J serve to break the currents of water and distribute the latter over the surface of the filter, and also prevent the piece of felt from curling, rising, or lateral displacement.

The filter may be removed and reversed, whereby the sediment previously on the upper face thereof is below and may be washed into the bottom chamber by the water continuing its circulation through the filter in its new position.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A wash-boiler having the rim or upright C on the inside and on the bottom thereof and apart from the side walls, the false bottom B, secured to and on said upright, and having the tubes D leading from the space within said upright, the said upright or rim C having in its sides turned-up portions, forming deflectors C' and passages E, and provided with the perforations F above said deflectors, and filtering material in reticulated covering on said false bottom, said parts being combined substantially as described.

BERNHARD SCHUESSLER.

Witnesses:

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